

**UNIVERSITY OF LOUISVILLE**  
**Proposed Projects Involving the General Fund (cash or bonds)**  
(amounts in **bold** are the total budget)

**2016-2018**

(Projects listed by agency priority; descriptions are from the agency submission)

- 1 Construct – Instructional Building at HSC** **\$71,730,000**  
This project will construct new instructional space while renovating existing areas within the Health Sciences Center (HSC) Instructional Building along with the Kornhauser Library. The following scope is planned: Construction of an in-fill building of approximately 80,000-gross-square-feet (GSF), connected to the existing Instructional Building and the Kornhauser Library. The new facility will provide space to relocate existing teaching programs, and provide areas of expansion. Areas vacated within the existing HSC Instructional Building will be subsequently renovated, along with the Kornhauser Library, to efficiently utilize current building assets to support teaching programs. The newly constructed building will seamlessly connect to the existing Instructional Building and Library to provide continuity between the teaching areas, and to enhance the academic experience. (C-O)
- 2 Renovate – Capital Renewal Pool (2016-2018)** **\$35,000,000**  
The Capital Renewal Pool will allow the university to address ten types of projects: roof replacement, windows, exterior building upgrades, interior building upgrades, walking surfaces, electrical upgrades, data collection and security panels, emergency generators, mechanical upgrades, and carpet/floor tile. This pool of projects includes those with a scope less than \$600,000 each. (C-PI)
- 3 Purchase - Next Generation/ERP Support System** **\$6,000,000**  
This project will provide for the acquisition, implementation, and maintenance of enterprise resources planning (ERP), business intelligence, and business analytics software systems. Acquisition of this software is part of a wider effort at business process re-engineering to institute best practices for the university's business processes, address known inefficiencies, and to automate current manual procedures. These priorities have been identified through detailed consulting studies of the university administrative and financial systems. Priority will be given to proven solutions, and to vendors that can provide a quick implementation timeline. Use of cloud-based or managed service systems are under strong consideration. After implementation, it is anticipated that these systems will result in a reduction in the total cost of ownership, greater productivity, better financial controls, and improved insight into the university's administrative processes. (IT)
- 4 Purchase – Research Computing Infrastructure** **\$7,000,000**  
This equipment will enhance the research computing infrastructure by providing unix clusters, supercomputers, data management systems, visualization systems, grid resources, storage and networking to support the research mission and activities of the university. (IT)

**5 Renovate – Natural Science Building \$29,843,000**

This authorization allows the renovation of classrooms, teaching labs, and departmental and faculty offices for Mathematics, Physics, and Geology. The project will include renewal of the building exterior including window, door and roof replacement, and site and accessibility improvements. Interior renovation includes reconfiguration and modernization of existing space with replacement of the HVAC, plumbing, electrical, lighting and energy management systems to make the facility compliant with current life safety and building codes. Updated classroom and teaching lab space is an extremely high priority. (C-PI)

**6 Renovate – Kornhauser Library \$19,900,000**

The Kornhauser Library, on the Health Sciences Center Campus, is a 72,147-gross-square-foot facility serving the clinical, research, and academic needs of both the Health Sciences Center and health care professionals of the Louisville area. The present facility was not envisioned to accommodate modern computer intense learning and research technology. This project will renovate the existing facility as it was designed to house books and periodicals rather than providing access to technology, search assistance, and digital media. It is essential that the building receives total modernization, including replacement of mechanical, electrical, voice/data systems along with being reconfigured to meet the needs of current biomedical curriculums that stress group-based learning and problem solving in a technology rich (C-PI)

**2018-2020**

Construct – Belknap Research Building II	\$88,120,000
Construct – Belknap Research/Academic/Conn Ctr	\$102,210,000
Construct – HSC Research Facility V	\$198,780,000
Construct – Shelbyhurst Research Building	\$63,580,000
Renovate – Capital Renewal Pool (2018-2020)	\$15,000,000
Renovate – Medical Dental Research Building	\$33,520,000

**2020-2022**

Renovate – Capital Renewal Pool (2020-2022)	\$15,000,000
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**UNIVERSITY OF LOUISVILLE**  
**Proposed Projects Involving Agency Bonds**  
(amounts in **bold** are the total budget)

**2016-2018**

(Projects listed by agency priority; descriptions are from the agency submission)

- 1 Construct – Residence Hall \$44,450,000**  
This authorization would allow the university to construct a new 400-bed residence hall on the Belknap campus. The project allows the university to continue to meet the need for student on-campus housing and is part of the university master plan. The new facility would also provide approximately 5,000-square-feet for the Residence Life administrative offices. (C-O)
- 2 Renovate – Residence Hall I \$26,770,000**  
This project would provide authorization to renovate a large residence hall should the need and opportunity arise. (C-PI)
- 3 Renovate – Residence Hall II \$19,550,000**  
This project would provide authorization to renovate a mid-size residence hall should the need and opportunity arise. (C-PI)
- 4 Renovate – Medical School Tower Lab/Infra Renewal \$36,000,000**  
This authorization will renovate a large portion of the Medical School Tower including laboratory, laboratory support, offices and academic space in the facility. The Medical School Tower Building was opened in 1970 to provide research and academic space for the School of Medicine's Basic Science Departments. Since that time, no significant renovations have taken place. With the changes in research and technology requirements, modifications to curriculums, and expanded support space requirements, this project will allow the reconfiguration and updating of this facility to maximize space utilization and create modern and functional research laboratories, academic facilities, and associated support spaces. (C-PI)
- 5 Construct – Belknap Parking Garage II \$45,625,000**  
This project will construct a 2000-space parking garage on Belknap Campus. (C-O)

**2018-2020**

- 1 Construct – HSC Parking Structure III \$51,220,000**

**UNIVERSITY OF LOUISVILLE**  
**Proposed Projects NOT Involving the General Fund or Agency Bonds**  
(Projects listed in alphabetical order)

**2016-2018**

**Acquire Land and Implement Land Use Plan** **\$72,000,000 RF**

Authorization of this pool will allow the university to purchase properties within the vicinity of the campuses as such properties become available pursuant to the Facilities Master Plan and to address currently unforeseen land needs. (CO)

**Construct – Administrative Office Building** **\$52,560,000 RF**

This project would construct a new 192,780-gross-square-foot building on the northwest corner of the Belknap Campus to house various university administrative offices and would also include leasable retail/office space. (CO)

**Construct – Athletic Grounds Building** **\$1,550,000 OT-P**

This project calls for the construction of a grounds building facility, which will be located at the north end of the football practice field facility. It will serve as a storage and maintenance unit for facility and grounds equipment (tractors, mowers, gators, etc). The unit will also help in better storing hazardous materials (fertilizers, herbicides, gasoline, etc). (CO)

**Construct – Athletics Office Building** **\$7,550,000 RF**

This project would construct a 25,000-gross-square-foot building for athletic administration to include minor sport coaching and administrative staff offices to be relocated from the former football training building off campus at the Kentucky Fair & Exposition Center. (CO)

**Construct – Center for Creative Studies** **\$10,193,000 RF**

This project would build a 14,990-gross-square-foot building to house the Center for Creative Studies for the Fine Arts Department. (CO)

**Construct – Center for Social Change** **\$13,610,000 OT-P**

This project calls for the construction of a new 35,000-square-foot facility that will house the current Multicultural Center, Office of Minority Affairs, and the Upward Bound program (and other TRIO programs pending federal funding). (CO)

**Construct – Center for the Performing Arts** **\$76,660,000 RF**

This project would construct a 126,000-gross-square-foot performing arts facility on Belknap Campus to replace aging facilities and consolidate theater arts performing space into one location. (CO)

**Construct – Executive MBA/Business Program** **\$12,000,000 RF**

This authorization will allow construction of a new 25,000-gross-square-foot Executive /Business studies facility in downtown Louisville. The new building will provide classroom and interactive instructional spaces for experienced professional and graduate level students seeking advanced degrees while maintaining their current professional careers. (CO)

- Construct – HSC Administrative Office Building** **\$30,510,000 RF**  
This project will construct a new office building of approximately 120,000-gross-square-feet on the Health Sciences Center campus to provide academic offices for faculty and staff, as well as the administration. (CO)
- Construct – Institute for Product Realization** **\$35,980,000 OT-P**  
This authorization would allow for construction of a 225,000-gross-square-foot building on Belknap Campus to house the Institute for Product Realization as part of the Belknap Research Park. (CO)
- Construct – Physical Plant Space in HSC Garage** **\$2,440,000 RF**  
This project would create new space for the Physical Plant department at the Health Sciences Center campus by consolidating current office, support, and shop operations allowing adequate expansion to support growth in both the university's research and academic space on the HSC Campus. (CO)
- Construct – Shelbyhurst Hotel/Conference Center** **\$18,720,000 OT-P**  
This facility will accommodate the needs of the Technology Center and Conference Facility as well as the global and nonresident patrons of the Research Park. An existing 100-bed hotel will be expanded to a 200-bed facility with expanded dining capacity and meeting rooms. (CO)
- Construct – Shelbyhurst Parking Garage** **\$28,000,000 OT-P**  
This project will construct a 1,556-space parking garage on Shelbyhurst Park. In order to provide space to accommodate future building construction as envisioned in the Shelbyhurst Development Plan, a parking garage is needed to consolidate parking for the tenants, guests, employees, faculty, and students working or attending activities in the Shelbyhurst Park freeing up land currently dedicated to surface parking lots for future development. (CO)
- Construct – Soccer Stadium Practice Field** **\$2,000,000 RF**  
This project calls for the development of a practice field to complement the newly constructed Soccer Stadium. The practice facility will be located along the southeast side of the stadium. (CO)
- Construct – Visitors Center** **\$2,000,000 RF**  
This project will construct a visitors center, which will be the centerpiece of the new main entrance to Belknap Campus. The Center will direct future students and visitors to the Belknap Campus, serve as a meeting place, and a route to the facilities and fields along Floyd Street.
- Expand – Papa John's Stadium/Football Complex** **\$55,000,000 OT-P**  
The project will enclose the north end of Papa John's Cardinal Stadium. The expansion will include field level suites, as well loge level seating. The project will ultimately add 10,000+ seats to the stadium, pushing the capacity of the stadium to roughly 65,000. Two new video boards will be installed to replace the existing video board. A parking garage will be placed underneath the seating area. The project will also include office space for the football coaching staff. (CO)

**Expand – School of Public Health & Info Sciences** **\$11,610,000 RF**

This project would construct an addition of approximately 20-25,000-gross-square-feet to the School of Public Health and Information Sciences building on the Health Sciences Center campus. (CO)

**Expand and Renovate – College of Education Bldg** **\$56,260,000 RF**

This project will include renovation and renewal of classrooms, department and faculty offices for the College of Education and Human Development (CEHD), as well as a 69,000-gross-square-foot addition to consolidate CEHD programs into the facility that are currently scattered across Belknap Campus. The project will include a total renovation of the 95,479-gross-square-foot building (completed in 1981) with a primary focus on providing facilities for training teachers to integrate modern media and interactive learning into today's curriculum at the elementary and high school levels, helping to insure a better prepared work force for the future job market within the state. (C-PI)

**Expand and Renovate – Houchens Building** **\$25,580,000 RF**

This project will include renovation and renewal of the building and construction of a 40,000-gross-square-foot addition to streamline and modernize student service functions. (CO)

**Improve Accessibility** **\$5,000,000 RF**

This pool will repair, upgrade, and improve existing building site, architectural and structural features to improve accessibility in accordance with ADA. Modifications will include doors, restrooms, drinking fountains, handrails, ramps, sidewalks, signage, and elevators. This pool of projects includes those with a cost of \$600,000 or greater. (C-PI)

**Improve Building Electrical Systems** **\$20,000,000 RF**

This pool will upgrade and improve building electrical systems that have exceeded their useful life; need to be upgraded to meet current building code requirements; or need to be upgraded due to current capacity having been exceeded by building occupant load. Systems include electrical, security, fire alarm, and communications. This pool of projects includes those with a cost of \$600,000 or greater. (C-PI)

**Improve Building Mechanical Systems** **\$28,000,000 RF**

This pool will repair, mitigate, upgrade, and improve existing building mechanical systems that have exceeded their useful life; need to be upgraded to meet current building code requirements, or need to be upgraded due to current capacity having been exceeded by building occupant load. Systems include HVAC ductwork, air handling units, fume hoods, building controls, and piping/plumbing systems. This pool of projects includes those with a cost of \$600,000 or greater. (C-PI)

**Improve Civil Site Infrastructure** **\$23,000,000 RF**

This pool will improve or expand the campus civil-site infrastructure. Infrastructure items to be addressed include: roads (includes roadway utilities), bike lanes, sidewalks, stone walls, pedestrian bridges, plaza's, landscaping, greenways, surface parking lots, sinkholes, streetscape furniture and signage. This pool of projects includes those with a cost of \$600,000 or greater. (C-PI)

**Improve Electrical Infrastructure** **\$30,000,000 RF**

This pool will repair, mitigate, upgrade, and, as necessary, expand the campus electrical utility infrastructure. Infrastructure items to be addressed include transformers, switches, capacitors, underground electrical distribution systems or all associated electrical equipment. This pool of projects includes those with a cost of \$600,000 or greater. (C-PI)

**Improve Elevator Systems** **\$5,000,000 RF**

This pool will repair, upgrade, and improve existing building elevator systems that have exceeded their useful life; need to be upgraded to meet current building code requirements; or need to be upgraded due to current capacity having been exceeded by building occupant load. Systems include elevators and dumbwaiters. This pool of projects includes those with a cost of \$600,000 or greater. (C-PI)

**Improve Housing Facilities** **\$8,000,000 RF**

This pool will renovate, mitigate, and improve existing housing facilities on the university campuses. The renovation of existing space is necessary to meet the needs of current and future residents. Many of the on-campus housing facilities are in need of significant infrastructure upgrades as well as general renovation and new furniture. This pool of projects includes those with a cost of \$600,000 or greater. (C-PI)

**Improve Life Safety Projects** **\$15,000,000 RF**

This pool will: 1)involve various initiatives in existing buildings including modifications to spaces, equipment, and building systems; 2)provide a pool for asbestos testing, minor abatement and repair, and for a prioritized list of major asbestos removal projects; 3)correct indoor air quality problems associated with fresh air intakes; 4)upgrade fume hoods and ventilation systems and make necessary upgrades to the supply air systems; and 5)make upgrades to the air handling units (AHU), temperature and volume controls; AHU mixing plenums and dampers, and variable speed controls for the fan motors. This pool of projects includes those with a cost of \$600,000 or greater. (C-PI)

**Improve Mechanical Infrastructure** **\$30,000,000 RF**

This pool will repair, mitigate, upgrade and, as necessary, expand the campus mechanical utility infrastructure. Infrastructure items to be addressed include: chilled water lines, steam lines, sanitary, storm, water and gas lines. This pool of projects includes those with a cost of \$600,000 or greater. (C-PI)

**Improve/Expand Academic Space** **\$24,000,000 RF**

This pool will renovate, mitigate, and upgrade existing facilities to convert the space to classroom and/or office/support space. This project is necessary to accommodate expanding enrollment and changing needs. This pool of projects includes those with a cost of \$600,000 or greater. (C-PI)

**Improve/Expand Administrative Space** **\$43,000,000 RF**

This pool will renovate, mitigate, improve, and expand administrative space in existing facilities on the university campuses. The renovation of existing space is necessary to meet the needs of current and future faculty and staff. In the absence of new construction, existing facilities must be renovated to support program requirements. This pool of projects includes those with a cost of \$600,000 or greater. (C-PI)

**Improve/Expand Ambulatory Care Space** **\$34,000,000 RF**

This pool will construct/expand/renovate/mitigate clinical space to accommodate the growing ambulatory care programs of the University of Louisville. This pool of projects includes those with a cost of \$600,000 or greater. (C-PI)

**Improve/Expand Central Plants** **\$41,000,000 RF**

This pool will repair, mitigate, upgrade, and expand, as needed, the campus heating and cooling plant capacity at the university's existing central heating and cooling plants and/or construct a new heating and cooling plant as well as repair, upgrade or expand the university's electrical sub-stations. This pool of projects includes those with a cost of \$600,000 or greater. (C-PI)

**Improve/Expand Parking** **\$13,000,000 RF**

This pool will repair, upgrade, and expand existing surface parking lots as well as parking structures on the university campuses. This pool of projects includes those with a cost of \$600,000 or greater. (C-PI)

**Improve/Expand Research Labs** **\$46,000,000 RF**

This pool will upgrade, improve, renovate, and expand research labs and lab support spaces in existing research facility and other university space. The renovation and mitigation of existing laboratory spaces and the conversion of other spaces to research labs and lab support space are necessary to meet the needs of current and future faculty. In the absence of new construction, existing research and non-research space must be renovated to support faculty research efforts. This pool of projects includes those with a cost of \$600,000 or greater. (C-PI)

**Lease – Digital Output System** **\$2,500,000 RF**

This project is a network digital output system to provide high volume print output for research, instructional, and institutional documents. This network digital output system will be an upgrade/replacement to existing network digital output systems. This may be a high-speed printing or multi-function device dependent upon the technology available and volume necessary to meet the increased needs of the university faculty, staff, students, and administrators. (IT)

**Purchase – Artificial Turf Field I** **\$1,250,000 OT-P**

Purchase and install artificial turf field to replace the existing fields currently in use as required. (C-PI)

**Purchase – Artificial Turf Field II** **\$1,250,000 OT-P**

Purchase and install artificial turf field to replace the existing fields currently in use as required. (C-PI)

**Purchase – Computer Processing System** **\$8,000,000 RF**

This project is for computer processing systems to provide computing resources in support of administration, instruction and research for faculty, staff, and students. This computer processing system will be an upgrade/replacement to existing enterprise systems depending upon the technology available and service needs in the respective fiscal year. This is necessary to meet the increased computing needs of the university faculty, staff, student, and administrators. (IT)



**Purchase – Content Management System** **\$4,000,000 RF**

This project would provide a comprehensive system to replace various web-based content authoring, management, and storage systems in use at the university. (IT)

**Purchase – Electronic Video Boards** **\$2,000,000 RF**

Due to the numerous video boards in place at the various athletic facilities, this authorization will allow for the replacement of a board if a board stops operating and needs to be replaced, or if a newer technology calls for the replacement of a board. (C-PI)

**Purchase – Enterprise Application System** **\$6,000,000 RF**

This project is for Enterprise software applications to support university operations. Enterprise application will provide academic and institutional support in the delivery of instruction and research. (IT)

**Purchase – Fiber Infrastructure** **\$7,000,000 RF**

This project will expand the university's fiber backbone network in the metropolitan Louisville area. This project will expand the university's ability to meet its missions of education, service and economic development. (IT)

**Purchase – IT Data Center Support Systems** **\$20,000,000 RF**

This will provide additional data center infrastructure to support university administrative, instructional, and research systems, including containerized products and integrated modular data center solutions. (IT)

**Purchase – Networking System** **\$8,000,000 RF**

This project is for a networking system to provide high speed integrated voice, data, and video access for campus wide-area networks and access to external networks. The Networking System will be an upgrade/replacement to existing enterprise and network infrastructure systems dependent upon the technology available and service needs in the respective fiscal year. This system is necessary to meet the increased networking needs of the university faculty, staff, student and administrators. (IT)

**Purchase – Security and Firewall Infrastructure** **\$8,000,000 RF**

This equipment will enhance the security and firewall infrastructure to protect university data and systems from unauthorized access, intrusion and compromise. (IT)

**Purchase – Storage System** **\$12,000,000 RF**

This project is for computer processing data storage systems to accommodate storage of research, instruction, and institutional data records and databases. This computer storage system will be an upgrade/replacement to existing storage systems, dependent upon the technology available and data volume necessary to meet the increased computing needs of the university faculty, staff, student, and administrators. (IT)

**Renovate – Burhans Hall** **\$17,000,000 OT-P**

This project will renovate 72,700-gross-square-feet in Burhans Hall located in the Shelbyhurst Park. The building was originally constructed as a classroom and administration building. It was designed in 1960 and needs major system renewal and renovation to complement its emerging role as one of two major university facilities in the Shelbyhurst Park. (C-PI)

- Renovate – Football Practice Field Lighting** **\$780,000 OT-P**  
 This project would construct a field lighting system for the football practice facility located on the Belknap Campus. Currently, the football team is unable to practice during early morning or evening hours. By adding lights at the practice fields, the football team would be able to practice in the early mornings and evenings. This is beneficial because it keeps the student-athletes out of the extreme heat of late summer and early fall. (C-PI)
- Renovate – Guaranteed Energy Savings (2016-2018)** **\$600,000 RF**  
 This project will allow U of L to enter into an agreement with a Performance Contractor to reduce the university's energy usage. Energy savings will be used to pay for facility upgrades/modifications; this will apply to several campus buildings. (C-PI)
- Renovate – HSC Simulation Center** **\$15,000,000 RF**  
 This project will combine the university's simulation based medical education efforts with the Fresh Tissue laboratory into a Center of Excellence in simulation enhanced learning for undergraduate, graduate and practicing medical professionals. The project will include the construction of multiple simulation rooms with centralized control facilities, classrooms, and seminar space for pre and post simulation discussion, wet bench research labs to support the Fresh Tissue Laboratory as well as administrative space to accommodate support staff. Appropriate technology infrastructure will be integrated into the design, including the ability to broadcast programs to remote locations. New simulators and recording equipment to facilitate web-based review of training programs is also included. (C-PI)
- Renovate – IT Data Center Power Upgrade** **\$8,000,000 RF**  
 This project will upgrade and expand electrical and mechanical infrastructure serving the IT data center located in Miller Information Technology Center on the Belknap Campus. It will provide adequate service capacity, emergency power, and redundant electrical and HVAC systems for installation of additional computing equipment to serve academic, research and business needs. (C-PI)
- Renovate – J. B. Speed Building** **\$13,260,000 RF**  
 The project will include renovation of the exterior and a total interior renovation of the 40,974-gross-square-foot J. B. Speed Building, the centerpiece structure of J.B. Speed School of Engineering. The building has received only minimal renovation since original construction in 1942. Additional work will include modernization of building mechanical, lighting, and electrical systems. (C-PI)
- Renovate – K-Wing Building** **\$25,610,000 RF**  
 This project is a phased renovation of the existing School of Nursing building which will provide additional academic space to support the increased class size of the School of Nursing, expand student support services, consolidate simulation and clinical skills training, as well as adding administrative/research space for the school. (C-PI)
- Renovate – Law School** **\$36,081,000 RF**  
 Louis D. Brandeis School of Law occupies a total of 144,186-gross-square-feet and is comprised of three attached buildings: the original building constructed in 1939; west addition in 1974; and east addition in 1979. Little significant building renovation or

modernization has occurred since completion of the 1979 addition. This project will include a total building renovation to create a more efficient facility. Building system improvements will include modernization of voice/data, mechanical, electrical, and lighting systems along with exterior envelope renovation and replacement of windows and entrance doors. This project will make significant plan changes and reorganize functional relationships. It will increase useful space available to the School of Law through demolition, renovation, and new construction. (C-PI)

**Renovate – Papa John's Stadium Seat Replacement** **\$5,460,000 OT-P**

This project would replace the 42,000-chair-back seats in the original portions of Papa John's Cardinal Stadium. (C-PI)

**Renovate – Resurface Track and Cardio Path** **\$1,500,000 RF**

This project would resurface the track on the track & field stadium along with the cardio path at Cardinal Park on Belknap Campus. (C-PI)

**2018-2020**

Construct – HSC Steam/Chilled Water Plant II	\$42,970,000 RF
Construct – Shelbyhurst Research & Dev Bldg	88,470,000 OT-P
Construct – Shelbyhurst Tech Ctr/Conference Fac	20,500,000 OT-P
Construct – Shelbyhurst Technology/Office Bldg	43,050,000 OT-P
Improve Housing Facilities (2018-2020)	6,000,000 RF
Renovate – Jouett Hall	3,709,000 RF
Renovate – Oppenheimer Hall	5,389,000 RF
Renovate – Schneider Hall	21,836,000 RF
Renovate – W.S. Speed Building	14,840,000 RF